



The Regional Intergovernmental Organization for the
Conservation of the Environment of the Red sea & Gulf of Aden



WORLD BANK GROUP
Environment & Natural Resources



الهيئة الإقليمية للمحافظة على بيئة البحر الأحمر وخليج عدن

Regional Organization for the Conservation of Environment of the Red Sea and Gulf of Aden

Terms of Reference For
Individual Consultant Short Term Contract
**International Consultant for Studying Degraded Overfished Habitats and
Suggesting Appropriate Rehabilitation and Restocking Measures**

Under the Project
Strategic Ecosystembased Management of the Red Sea and Gulf of Aden

Jeddah Kingdom of Saudi Arabia
November 2016

**International Consultant for Studying Degraded Overfished Habitats and Suggesting
Appropriate Rehabilitation and Restocking Measures
Terms of Reference for Individual Consultant Short Term Contract Under the Project
Strategic Ecosystembased Management of the Red Sea and Gulf of Aden**

1. General Background

The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden (PERSGA) is an intergovernmental organization dedicated for the conservation of coastal and marine environment in the region. The Jeddah Convention (1982) provides the legal foundation for PERSGA. Member states are Djibouti, Egypt, Jordan, Saudi Arabia, Somalia, Sudan and Yemen. PERSGA runs multilinked programs, including marine protected areas (MPA) network, and activities in cooperation with the member states and other relevant partners to achieve its mission. Capacity building is an essential component of PERSGA activities, as it facilitates execution of PERSGA projects and promotes capacities in PERSGA countries to implement Jeddah Convention and its protocols.

PERSGA and the World Bank are jointly running a Global Environment Facility “GEF” funded Project that started in 2014 and ends in January 2018. The Regional Project on the Red Sea and Gulf of Aden Strategic Ecosystem Management Project is executed in Djibouti, Egypt, Jordan, Sudan and Yemen. The Project has four components centered around MPAs Management and Livelihoods for Local Communities.

Component 1: Strengthening of Marine Management Concept in Marine Protected Areas

This component entails strengthening of marine management concept in selected Marine Protected Areas to pilot zonation and multiple use approach in a participatory and community-based manner consistent with local communities' needs and benefits through: i. provision of technical assistance, demonstrations and training necessary to strengthen the capacity of PERSGA member countries' national authorities as well as of local communities to review, update and implement management plans of selected Marine Protected Areas, and to transition to multiple use of Marine Protected Areas' resources; and ii. improving the capacity of PERSGA member countries to share information and select the most appropriate marine protected / managed area models based on current capacity and area(s) of comparative advantage and environmental features.

Component 2: Strengthening Coastal Communities

This component is aimed at strengthening local communities' capacity to identify, develop and implement sub-projects aimed at: i. reducing pressure on marine resources and ii. the provision of alternative livelihood income in such areas as fish processing, recreational fishing, eco-tourism and small - scale aquaculture.

Component 3: Regional Environmental and Socioeconomic Monitoring Network

This component aims at strengthening the Regional Environmental and Socioeconomic Monitoring Network of PERSGA member countries to support ecosystem and community benefits based management, including standardizing variables and monitoring approaches, making data comparable and sharable, and expansion of monitoring to include socio-economic data, especially for fishery and Marine Protected Areas communities.

Component 4: Project Management

This component is expected to support the recipients' capacity for Project management, coordination, monitoring and evaluation through provision of goods, consultants' services, including audit, and training.

2. Jordan Coastal Area

Jordan is very poor with coastal resources. The entire coastline of Jordan is about 27 Km at the very northeastern part of the Gulf of Aqaba. The widest part of the territorial waters is about 2 Km. All maritime activities have to be practiced within this limited stretch. Fishing in Jordan is a traditional job practiced these days by about 300 fishermen using about 150 small fishing boats. Most fishing takes place near shore and in limited areas as some areas are not allowed for fishing. This has resulted in some specific areas being overfished leading to depletion of stocks. Other coastal activities also impact the coastal area, which resulted in degradation of environmental quality at some specific sites. Aqaba Special Economic Zone Authority, the main government body in Aqaba, practices stringent environmental conditions in licensing coastal activities. Several types of monitoring of the coastal environment do exist and provide some information. But still a systematic study is needed to identify overfished and degraded habitats with some quantitative assessment and to suggest remedies introducing practical measures for rehabilitation and restocking to sustain the traditional artisanal fishing in Aqaba.

3. Consultancy

The present ToR is for a consultancy that will be carried out under Component 3. Activities of the SEM Project Component 3 have so far included contracting four National Consultants and for identification of monitoring needs and capabilities in their countries; as well as an International Consultant for reviewing monitoring and survey methods. Findings of these consultancies have been discussed in a regional workshop held in Jeddah during the period February 25th - 26th 2015 and presented in final reports of the Consultants. Following the workshop actual monitoring activities started based on techniques advised by the consultants and recommendations of the workshop. Review of PERSGA Standard Survey Methods Manual has identified that PERSGA SSM for Key Habitats and Key Species Groups in the Red Sea and Gulf of Aden is a comprehensive and detailed manual that covers a broad spectrum of methods for monitoring key habitats and species groups. Users trained on these survey methods would be capable of collecting information about a broad range of indicators. The methods and the indicators would provide the initial basis to inform an Ecosystem Based Approach. Some key gaps in the PERSGA SSM manual relate to the monitoring of: socio-economics, fisheries, MPA management effectiveness and water quality have been filled in a new version of the manual prepared by the SEM project. A second workshop was organized in November 2015 for exchange of monitoring results and discussing uniformity of survey and analytical methods. Report of the National Consultant in Jordan and results of the first year of monitoring and the monitoring report will be available for the consultant.

4. Tasks and Responsibilities

In this context and within the Project Component 3 the Workplan the consultant will work closely with the Project Manager, Component 3 Coordinator, the National Coordinator, the Monitoring Team in Jordan and other National Experts and Specialists to undertake the following:

- i. Discuss strategic issues in coastal management in Jordan focusing on complex issues and interactions in coastal development resulting from population growth, tourism, fisheries, aquaculture, navigation, industry and energy imports and storage oil and gas
- ii. Identify the most heavily fished and degraded habitats that can be restored
- iii. Identify possible causes of habitat degradation and loss of fish stocks viability and advise on fishing practices / regulations that may help in fisheries self replenishment
- iv. Prepare a detailed study on restocking techniques for specific species identifying specific needs in area, seawater and fresh water, construction, technology, source of technology and level of training and cost estimates including costs of temporary closing of fishing if needed
- v. Suggest other feasible alternative livelihoods for fishermen that can be implemented in Jordan keeping the fishermen close to their cultural and traditional profession in fishing and helping to relief fishing pressure off the limited fisheries. These can be of short term type practiced during closing fisheries or long term types as alternative to fishing. Practical aspects, cost marketability and sustainability need to be discussed in detail.

5. Qualification, Experience Skills and Competencies

- Postgraduate degree the field of natural sciences, environmental management, fisheries, coastal planning or similar fields
- Proven experience in strategic planning in the areas of coastal management, fisheries management, sustainable use of coastal resources, with good knowledge in environmental impact assessment and rehabilitation of excessively used habitats;
- Extensive professional experience in working with governments and other stakeholders at National, Regional and International levels;
- Ability to produce high quality reports, publications and project proposals;
- Excellent writing and communication skills in English; Good working knowledge of Arabic is an added plus.
- Communication skills for complex information and techniques targeting subject matter stakeholders as well as wider general audiences;
- Ability to communicate effectively orally and in writing in order to be able to present, negotiate and summarize work outputs;
- Effective problem solving, analytical, administrative and organizational skills

6. Key Outputs

- Output 1: Inception Report Detailing the Consultancy Workplan;
- Output 2: Assessment Report discussing the Strategic and complex relationships in Coastal management in Jordan “Tasks i - iii”; with Power Point Presentation and extended executive summaries in English and Arabic
- Output 3: Brief Field Mission Report
- Output 4: Restocking Study Report “Task iv”; with Power Point Presentation and extended executive summaries in English and Arabic
- Output 5: Other Feasible Alternative Livelihoods Report “Task v”; with Power Point Presentation and extended executive summaries in English and Arabic

7. Tentative Timing

- Inception Report Detailing the Consultancy Workplan; One week from signing contract
- Field Mission to Aqaba; First Week of December 2017

- Brief Field Mission Report; Mid January 2017
- Assessment Report discussing strategic and complex relationships in Coastal Management in Jordan “Tasks i - iii”; End of January 2017
- Restocking Study Report “Task iv”; Mid February 2017
- Other Feasible Alternative Livelihoods Report “Task v”; Mid March 2017

8. Duty station and duration

- Home based with a one week mission to Aqaba
- Duration: 50 working days within four months Mid December 2016 - Mid March 2017

9. Facilities Provided by PERSGA

PERSGA will provide the consultant with initial background information, economy flight to Aqaba and the necessary logistics during the field mission in Aqaba.

10. Type of Contract and Expression of Interest

This contract falls under short-term consultant category system of PERGSA. Payment will be on a lump sum and installment basis, which includes fees and travel expenses,

Interested Experts are kindly requested to send a recent CV to PERSGA Headquarters in Jeddah, Kingdom of Saudi Arabia, by email to projects@persga.org